

**ABSTRACT**

A software architecture for debugging the execution of T-SQL and managed data-tier application logic associated with a single connection, in isolation from other connections, is provided. In the architecture, a database server hosts the data-tier application logic. A client connects to the database server and issues requests on the connection, which initiates the execution of the data-tier application logic. A debugger debugs a client process on the server. An application program interface (API) receives a request to initiate a debugging session from the debugger, and returns an interface pointer to the debugger, thereby enabling the debugger to debug the client connection to the server.